Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biome in a Bottle Activity

Biodiversity- What’s it all about?

**1.** Separate your beads into groups. These different colors and shapes represent different **SPECIES**.

**2.** Count the total number of **INDIVIDUALS** in that biome.

**3.** Take the **# of Species** DIVIDED by the **# of Individuals** to get the Biodiversity of your biome.

**4.** Take a guess as to which biomes you have! (Hint: You will get biodiversity numbers between 0 and 1. A

number closer to 1 will be HIGH biodiversity and a number closer to 0 will be LOW biodiversity.)

**1st Bottle 2nd Bottle**

Bottle Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bottle Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Species \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Number of Species \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Individuals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Number of Individuals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biodiversity of Biome \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Biodiversity of Biome \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Biome (Guess) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name of Biome (Guess) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class Data: Biome In A Bottle

|  |  |  |  |
| --- | --- | --- | --- |
| **Biome** | **# of Species (groups)** | **# of Individuals** | **Biodiversity Decimal** |
| Tropical Rainforest |  |  |  |
| Lawn or Wheat Field |  |  |  |
| Forest  (Coniferous or Deciduous) |  |  |  |
| Desert or Grassland |  |  |  |

Rank the Biomes with most biodiversity (1) to the least (4):

1.

2.

3.

4.